

TYPE I PROGRESS REPORT (July - August 1973)

1. Title: "Estuary and Barrier Island Study"

2. GSFC No.: 293

3. Problems impeding progress: none

4. Completed accomplishments this period; plans for the next period:

preliminary survey of NASA imagery completed. In-depth analysis in progress.

Collection and collation of ground truth data completed. Correlation of

ground truth with NASA imagery to begin next period.

5. Significant results, practical applications, cost benefits:

A. Scan line distortion is apparent in ERTS-1 imagery, imparting a serrated-edge appearance to shorelines. This feature however does not hinder observation and interpretation of broad features such as shoaling areas and sediment plumes.

B. Shoaling in the backshore areas and inlets is easily discernible in spectral bands 4 and 5.

C. Contrast between land and water is especially striking in spectral band 7, allowing easy identification of tidal flat areas.

6. Reports released: None

7. Recommendations: None

8. Changes to standing order (dates): None

9. Image descriptor forms: None

10. List of data request forms submitted (dates): None

11. Other information: Attached inventory presents NASA film sets received by CERC since submission of previous Type I Progress Report.

Incl

Inventory of NASA Film Sets received by CERC since previous Type I Progress Report.

a. Underflights

b. ERTS-1

"Made available under NASA sponsorship in the interest of early and wide dissemination of Earth Resources Survey Program information and without liability for any use made thereof."

N73-31342

Unclas
G3/13 01041

(E73-11041) ESTUARY AND BARRIER ISLAND
STUDY Progress Report, Jul. - Aug. 1973
(Army Coastal Engineering Research Center)
2 p HC \$3.00 CSCL 08H

Inventory of NASA Film Sets
, Received By CERC Since
Previous Type I Progress Report

a. Underflights

<u>Cover Ltr dtd</u>	<u>Flight No./Date</u>	<u>Roll No.</u>	<u>Report No.</u>
-----	73-062/28 Apr 73	01102	FSR-268
2 August 73	W-195/11 May 73	0201 0202	W-195
22 August 73	W-222/15 Jun 73	0201 0202 0204	W-222

b. ERTS-1

<u>Orbit</u>	<u>Date of Flight</u>	<u>Frame No.</u>
----	1 June 1973	E-1313-15155-4,5,6,7
---	2 June 1973	E-1314-15210-4,5,6,7
---	2 June 1973	E-1314-15213-4,5,6,7